

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number  
**WO 2005/016218 A1**

- (51) International Patent Classification<sup>7</sup>: **A61H 23/04**
- (21) International Application Number:  
PCT/AU2004/001090
- (22) International Filing Date: 13 August 2004 (13.08.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
2003904378 15 August 2003 (15.08.2003) AU
- (71) Applicants and  
(72) Inventors: **OBRIEN, Vincent, William** [AU/AU]; 3/234 Maroubra Rd, Maroubra, NSW 2035 (AU). **OBRIEN, Shannon, William** [AU/AU]; 3/234 Maroubra Rd, Maroubra, NSW 2035 (AU).
- (74) Common Representative: **OBRIEN, Vincent, William**; PO.Box 848 Randwick, Junction, NSW 2031 (AU).

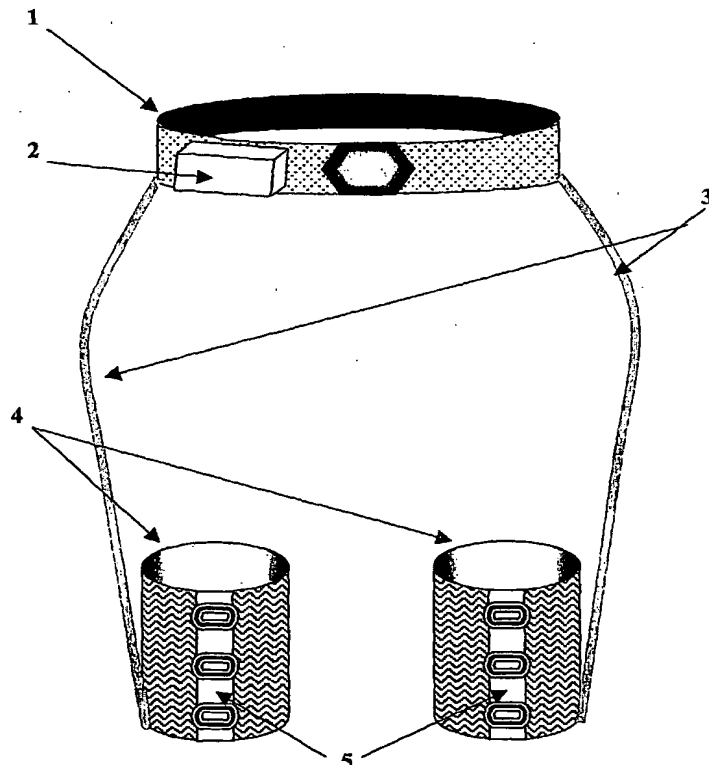
(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DEEP VEIN PULSATOR LEGGINGS

SHOWING ALL THE COMPONENT PARTS ARRANGED AS WOULD BE  
WORN IN ACTUAL OPERATION



(57) Abstract: A device for preventing a medical condition known as deep vein thrombosis comprising of a pair of specially designed leggings (4) designed to be worn in conjunction with a power source to be worn attached to a belt (1) or as in post operative care; the power source (2) can be remotely located to power the leggings that will in turn massage the lower section of the legs at predetermined intervals that will in turn result in keeping the blood in the arteries and veins of the venous return system in the legs from congealing thereby causing the onset of a condition commonly known as deep vein thrombosis.



**Declaration under Rule 4.17:**

- *of inventorship (Rule 4.17(iv)) for US only*

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*